

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040933.D
 Acq On : 21 Dec 2023 17:13
 Operator : SY/MD
 Sample : 05813-03DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10158DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
 Supervised By :Mahesh Dadoda 12/26/2023

Quant Time: Dec 22 00:08:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Dec 21 07:32:42 2023
 Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards							
1) Bromochloromethane		5.185	49	1252599	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		6.639	114	3080347	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.436	117	2640104	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.745	95	2007820	10.325	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	= 103.200%	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane		2.751	85	26873	0.113	ppbv	95
4) Chloromethane		2.835	50	9400m	0.135	ppbv	
9) Propene		2.732	41	21750m	0.350	ppbv	
13) Ethanol		3.269	45	33193	2.115	ppbv	80
15) Acetone		3.488	43	211380	1.407	ppbv	93
19) Isopropyl Alcohol		3.610	45	27341m	0.349	ppbv	
20) Methylene Chloride		3.941	84	423944	7.917	ppbv	98
25) Ethyl Acetate		5.208	43	323491	1.243	ppbv #	77
26) Hexane		5.205	57	453644	3.932	ppbv #	41
53) Toluene		9.201	91	34732	0.130	ppbv	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

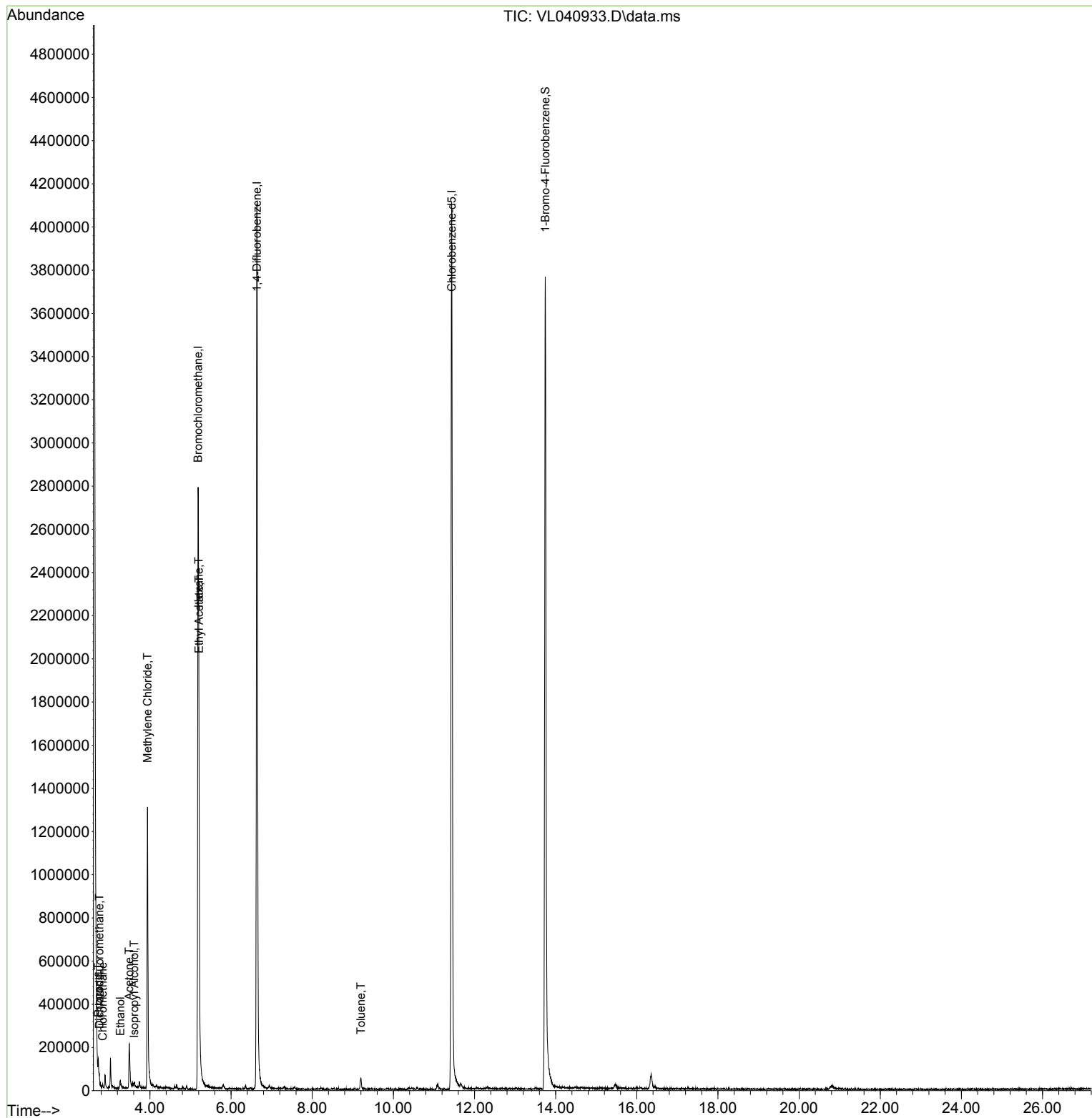
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040933.D
Acq On : 21 Dec 2023 17:13
Operator : SY/MD
Sample : 05813-03DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

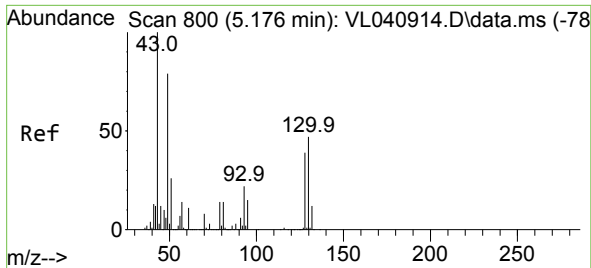
Instrument :
MSVOA_L
ClientSampleId :
10158DL

Quant Time: Dec 22 00:08:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 21 07:32:42 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

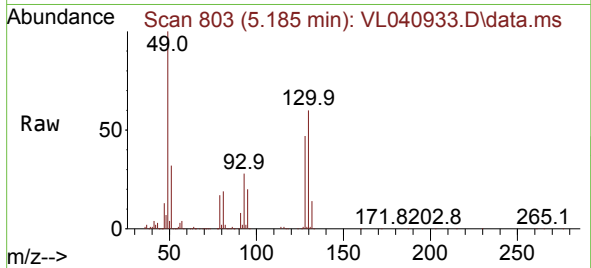
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

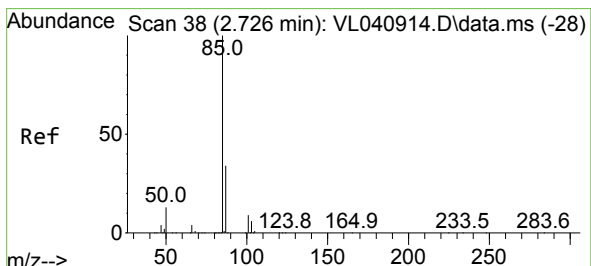
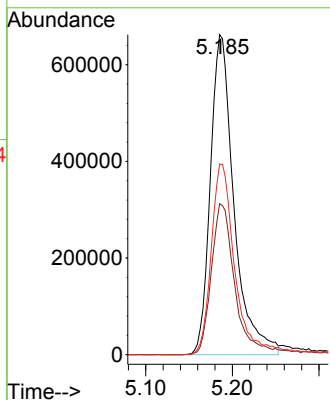
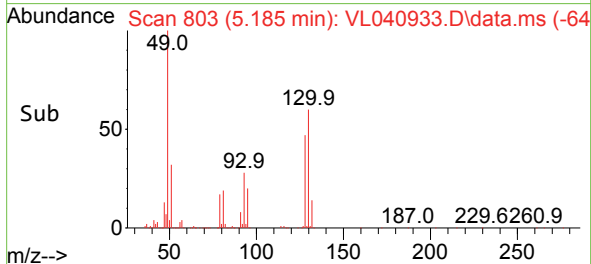
Instrument :
MSVOA_L
ClientSampleId :
10158DL



Tgt Ion: 49 Resp: 125259
Ion Ratio Lower Upper
49 100
128 48.6 23.8 71.2
130 61.4 30.1 90.5

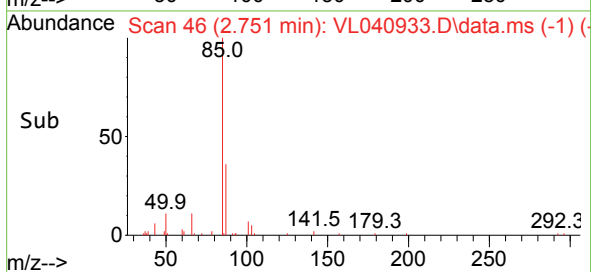
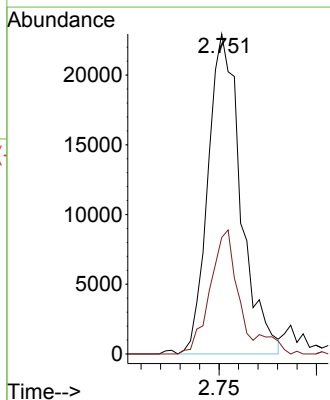
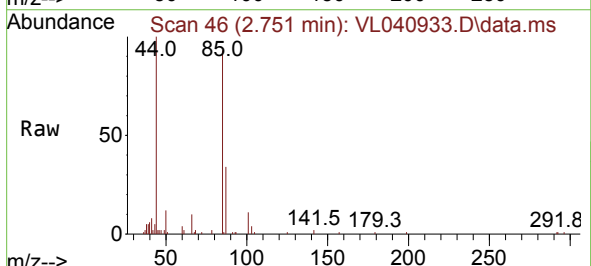
Manual Integrations
APPROVED

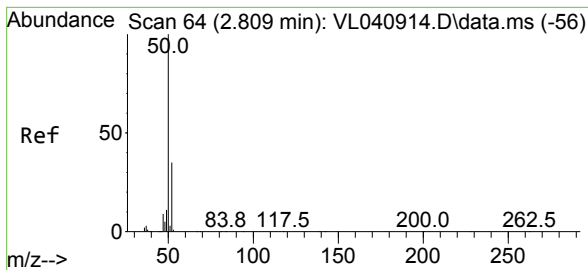
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#2
Dichlorodifluoromethane
Concen: 0.113 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.026 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

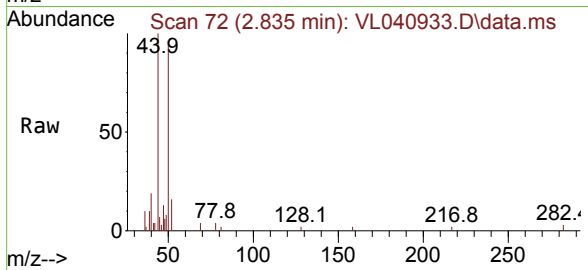
Tgt Ion: 85 Resp: 26873
Ion Ratio Lower Upper
85 100
87 36.4 27.0 40.6





#4
Chloromethane
Concen: 0.135 ppbv m
RT: 2.835 min Scan# 71
Delta R.T. 0.026 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

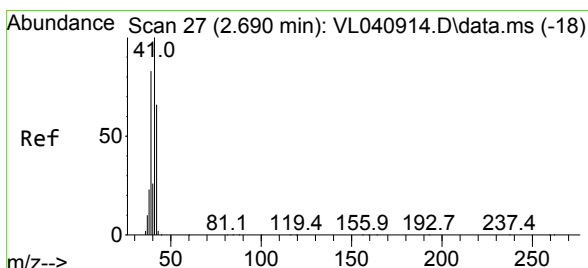
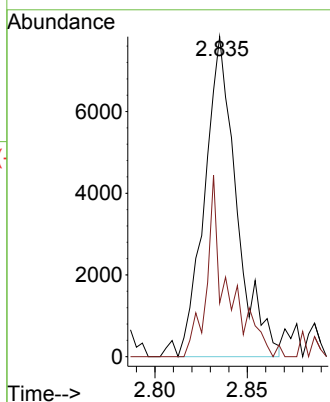
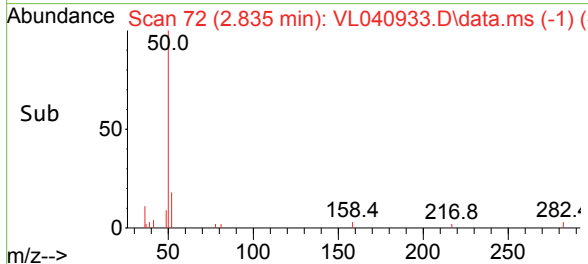
Instrument :
MSVOA_L
ClientSampleId :
10158DL



Tgt Ion: 50 Resp: 9400
Ion Ratio Lower Upper
50 100
52 16.8 28.0 42.0

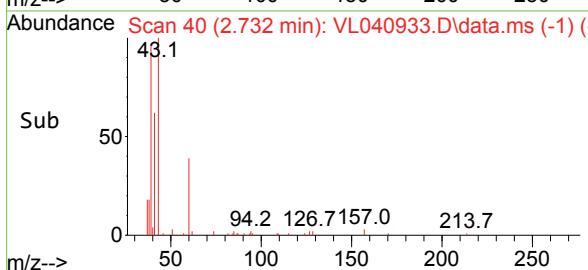
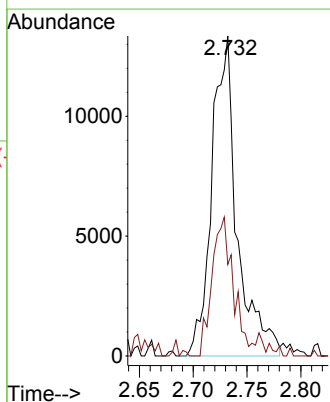
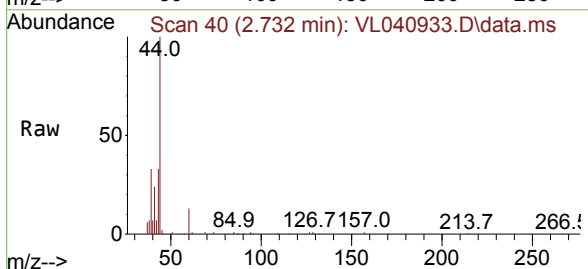
Manual Integrations
APPROVED

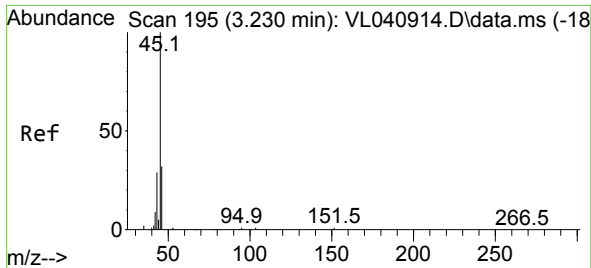
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#9
Propene
Concen: 0.350 ppbv m
RT: 2.732 min Scan# 40
Delta R.T. 0.042 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

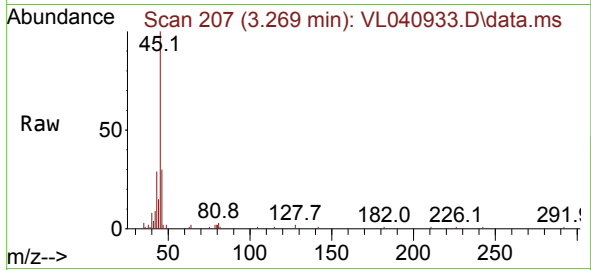
Tgt Ion: 41 Resp: 21750
Ion Ratio Lower Upper
41 100
42 39.9 55.8 83.6





#13
Ethanol
Concen: 2.115 ppbv
RT: 3.269 min Scan# 207
Delta R.T. 0.039 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

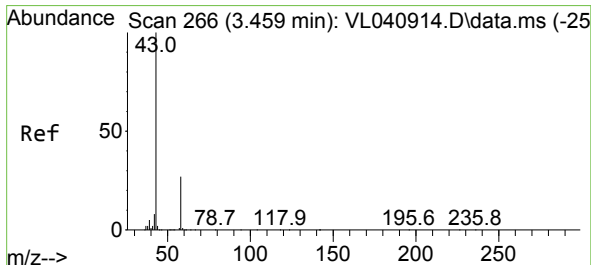
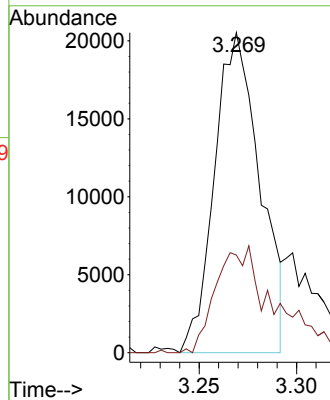
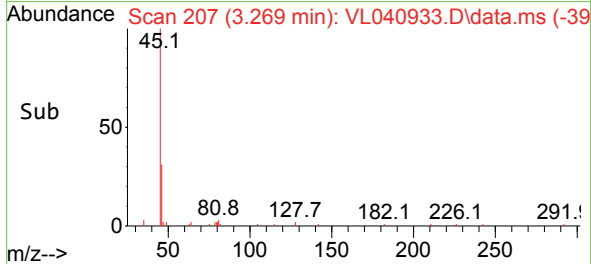
Instrument :
MSVOA_L
ClientSampleId :
10158DL



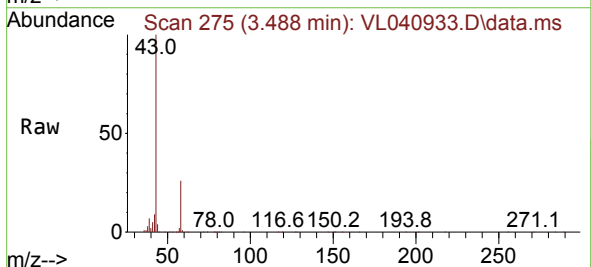
Tgt Ion: 45 Resp: 3319
Ion Ratio Lower Upper
45 100
46 49.4 15.0 60.0

Manual Integrations
APPROVED

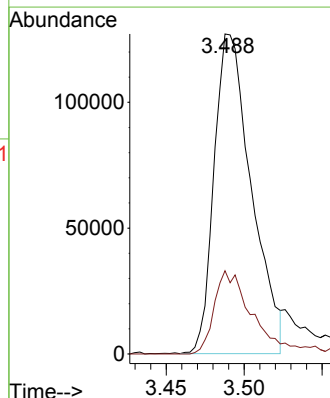
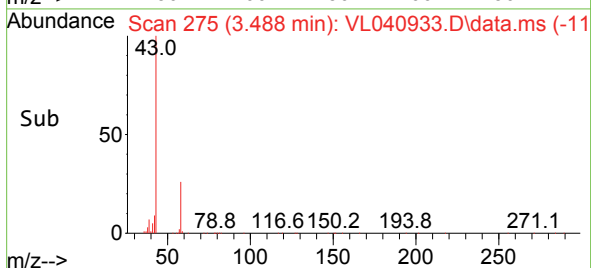
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

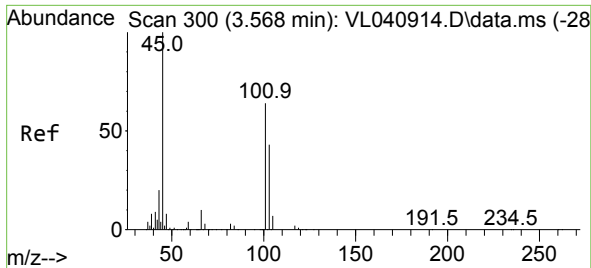


#15
Acetone
Concen: 1.407 ppbv
RT: 3.488 min Scan# 275
Delta R.T. 0.029 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13



Tgt Ion: 43 Resp: 211380
Ion Ratio Lower Upper
43 100
58 29.1 20.6 30.8





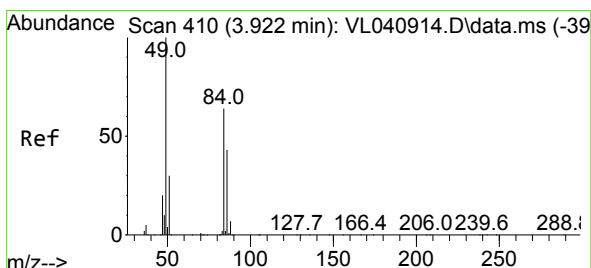
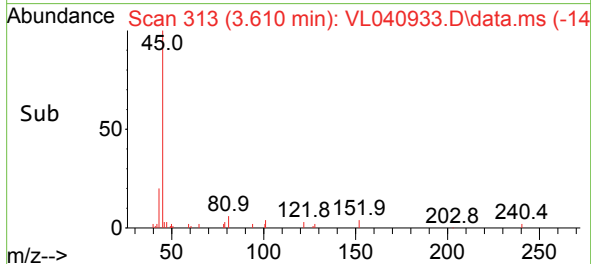
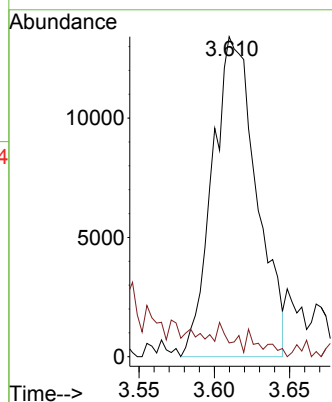
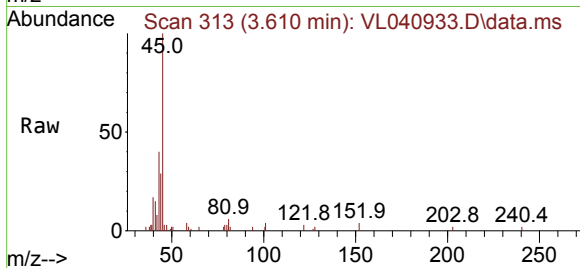
#19
Isopropyl Alcohol
Concen: 0.349 ppbv m
RT: 3.610 min Scan# 313
Delta R.T. 0.042 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

Instrument :
MSVOA_L
ClientSampleId :
10158DL

Tgt Ion: 45 Resp: 2734
Ion Ratio Lower Upper
45 100
58 0.0 1.5 2.3

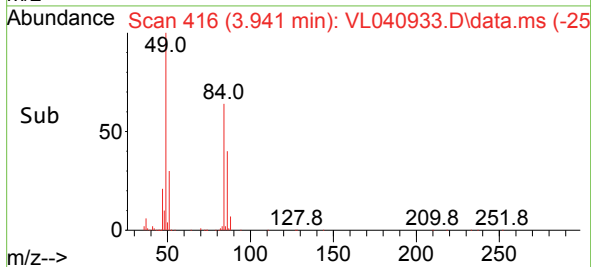
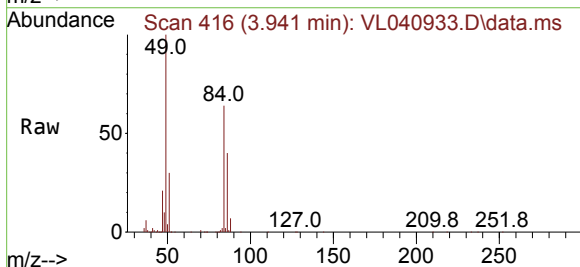
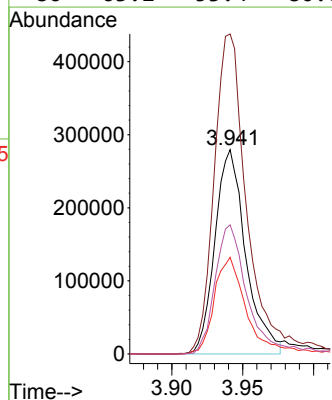
Manual Integrations
APPROVED

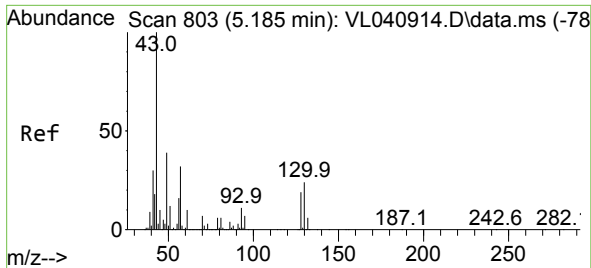
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#20
Methylene Chloride
Concen: 7.917 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.019 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

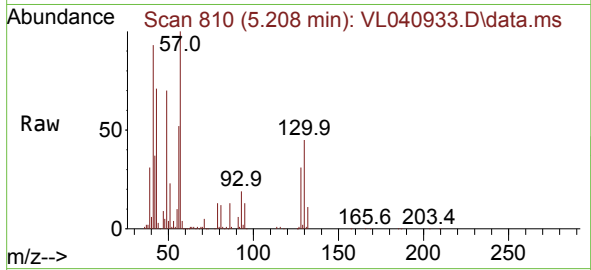
Tgt Ion: 84 Resp: 423944
Ion Ratio Lower Upper
84 100
49 156.3 124.6 187.0
51 47.3 37.2 55.8
86 63.2 53.4 80.0





#25
Ethyl Acetate
Concen: 1.243 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.023 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

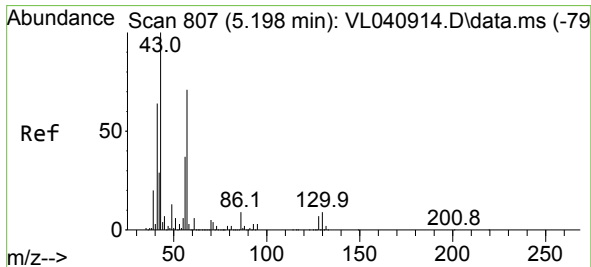
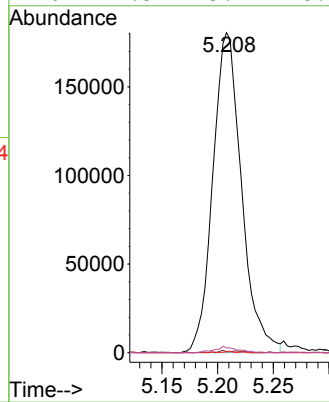
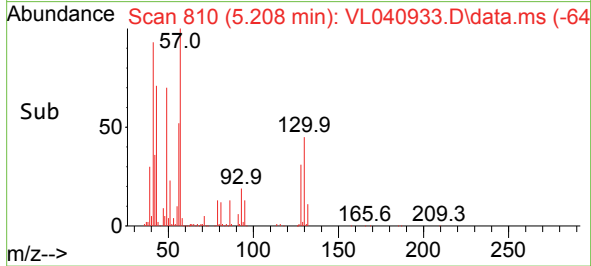
Instrument :
MSVOA_L
ClientSampleId :
10158DL



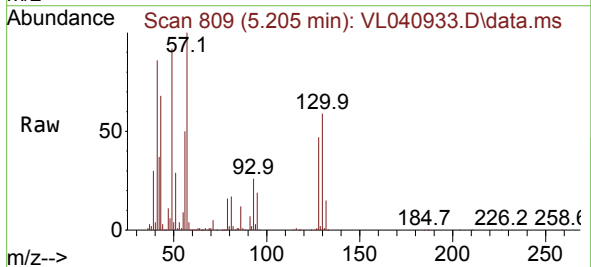
Tgt Ion: 43 Resp: 32349
Ion Ratio Lower Upper
43 100
45 0.5 8.2 12.2
61 0.2 7.6 11.4
70 1.5 5.4 8.2

Manual Integrations
APPROVED

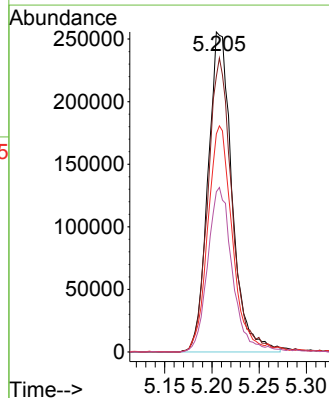
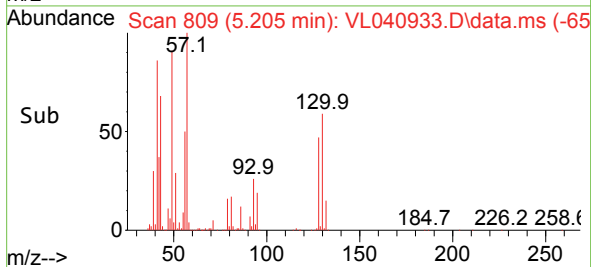
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

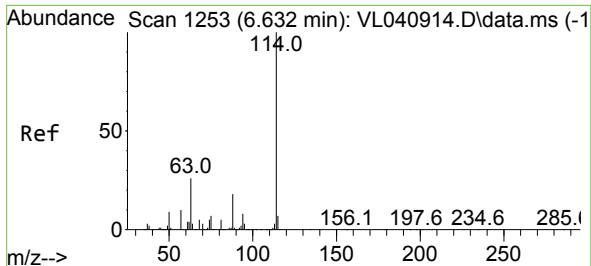


#26
Hexane
Concen: 3.932 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.007 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13



Tgt Ion: 57 Resp: 453644
Ion Ratio Lower Upper
57 100
41 93.6 75.2 112.8
43 73.4 188.0 282.0
56 53.1 42.3 63.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 10158

Delta R.T. 0.007 min

Lab File: VL040933.D

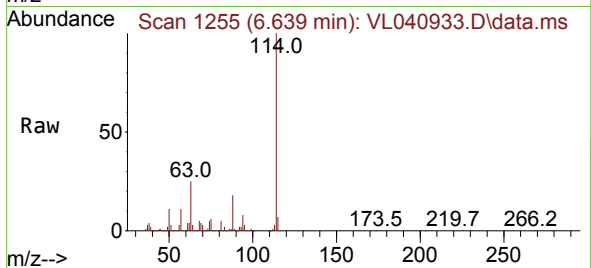
Acq: 21 Dec 2023 17:13

Instrument :

MSVOA_L

ClientSampleId :

10158DL



Tgt Ion:114 Resp: 308034

Ion Ratio Lower Upper

114 100

63 25.9 21.0 31.6

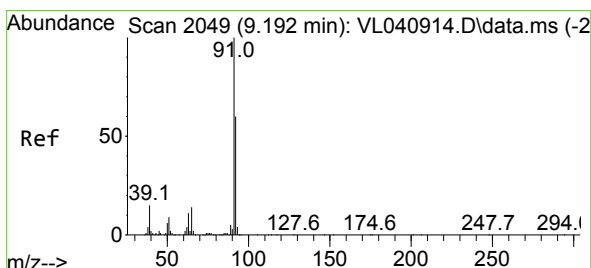
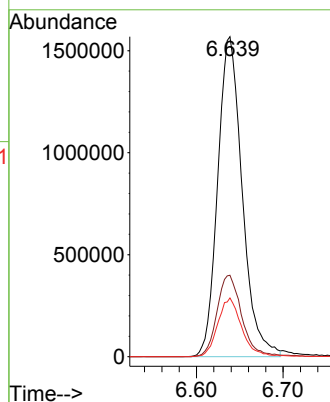
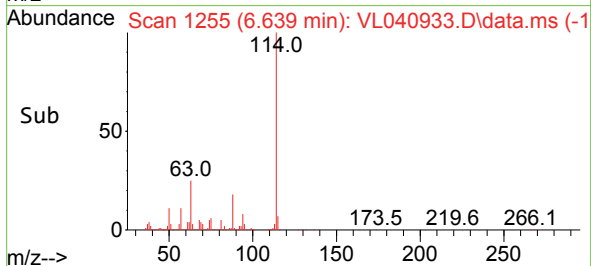
88 18.0 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023

Supervised By :Mahesh Dadoda 12/26/2023



#53

Toluene

Concen: 0.130 ppbv

RT: 9.201 min Scan# 2052

Delta R.T. 0.010 min

Lab File: VL040933.D

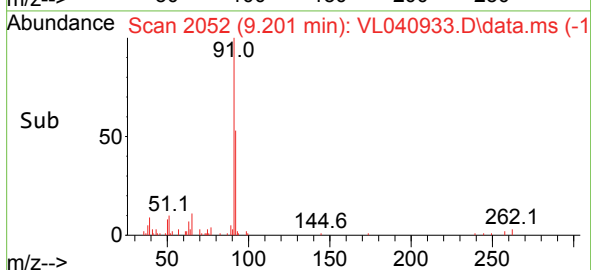
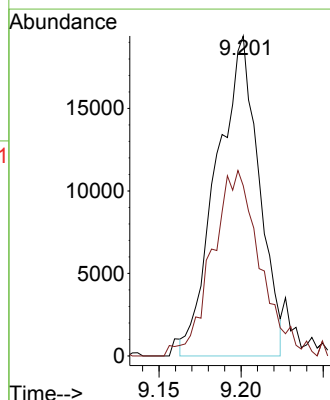
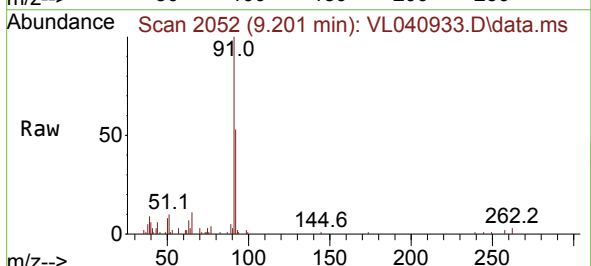
Acq: 21 Dec 2023 17:13

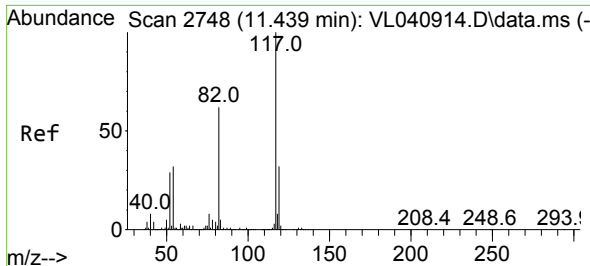
Tgt Ion: 91 Resp: 34732

Ion Ratio Lower Upper

91 100

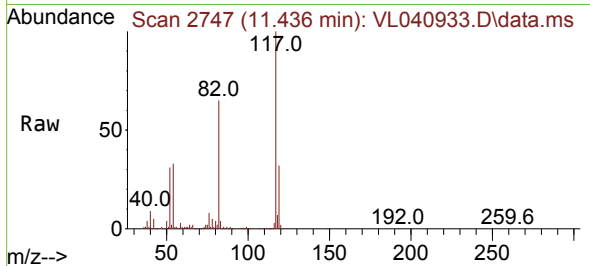
92 66.9 49.2 73.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

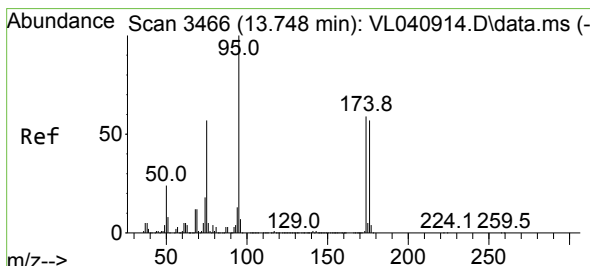
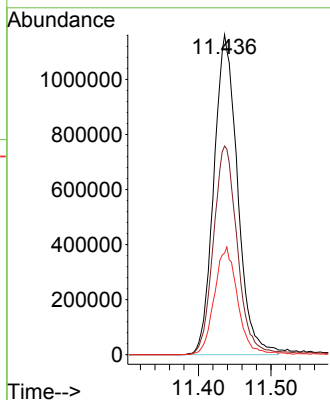
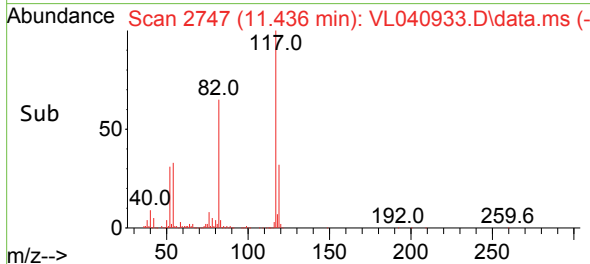
Instrument :
MSVOA_L
ClientSampleId :
10158DL



Tgt Ion: 117 Resp: 2640104
Ion Ratio Lower Upper
117 100
82 67.1 49.6 74.4
119 33.1 23.4 35.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.325 ppbv
RT: 13.745 min Scan# 3465
Delta R.T. -0.003 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

Tgt Ion: 95 Resp: 2007820
Ion Ratio Lower Upper
95 100
174 58.9 48.0 72.0
175 4.3 3.7 5.5

